

DRAWING 1  
SENSITIVITY OF THE HUMAN EYE  
3/15/01, B.L.

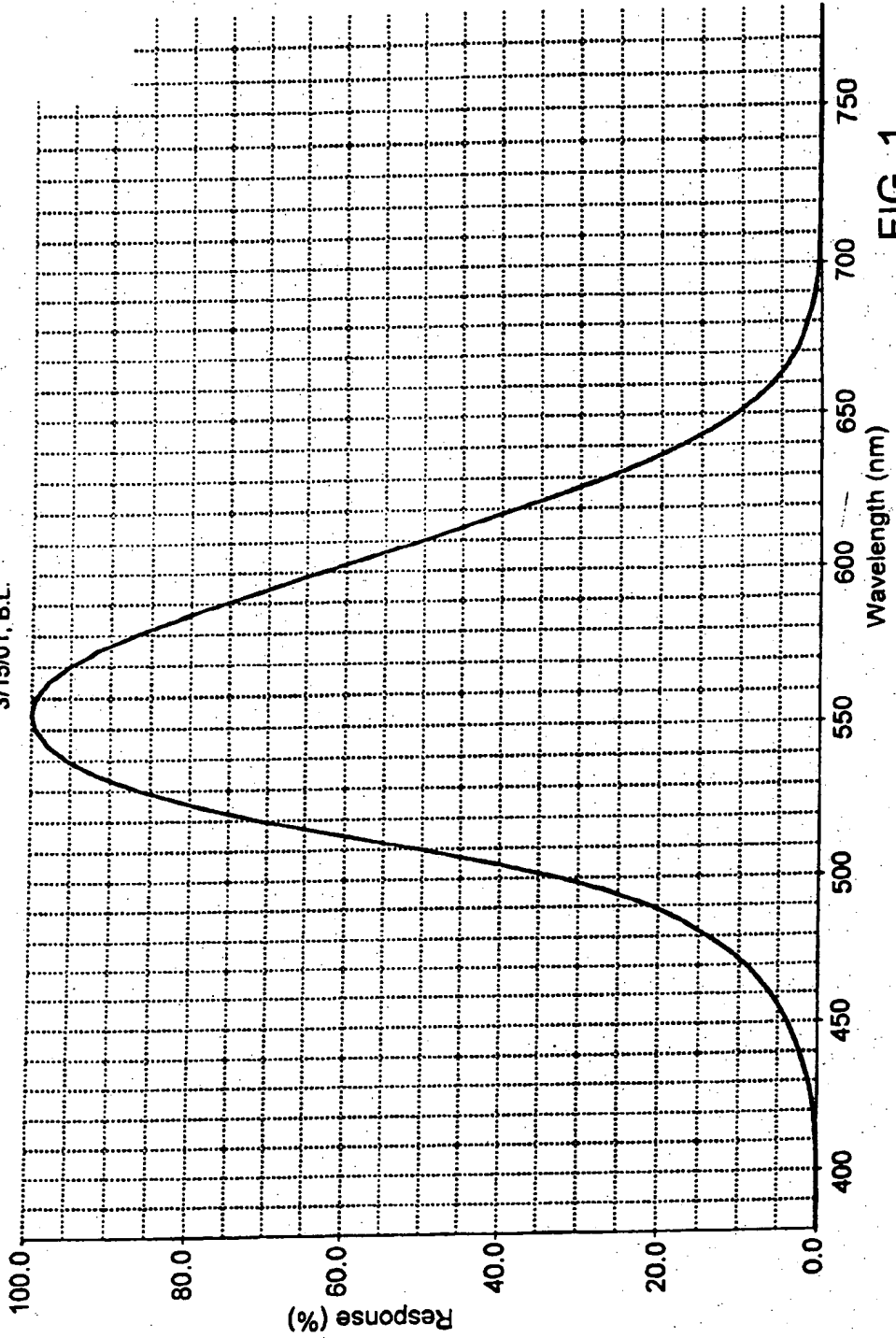
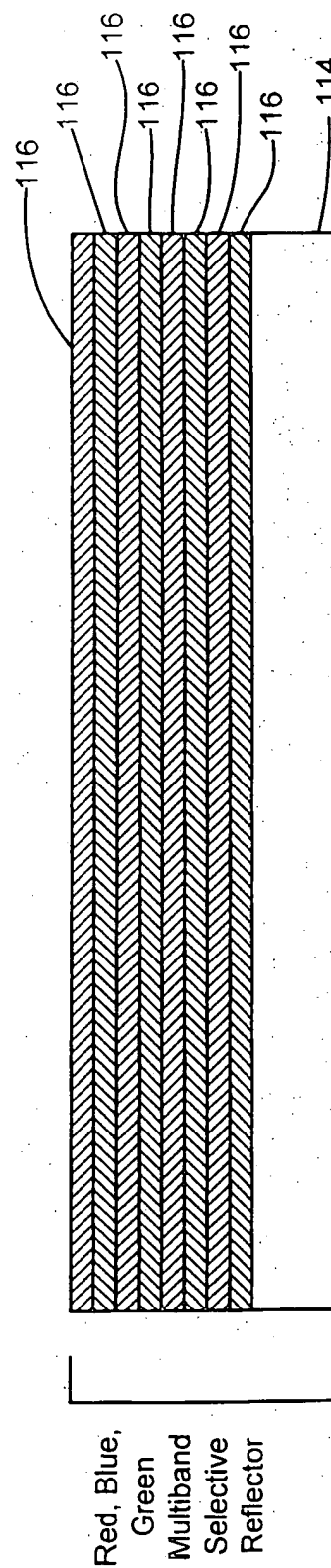
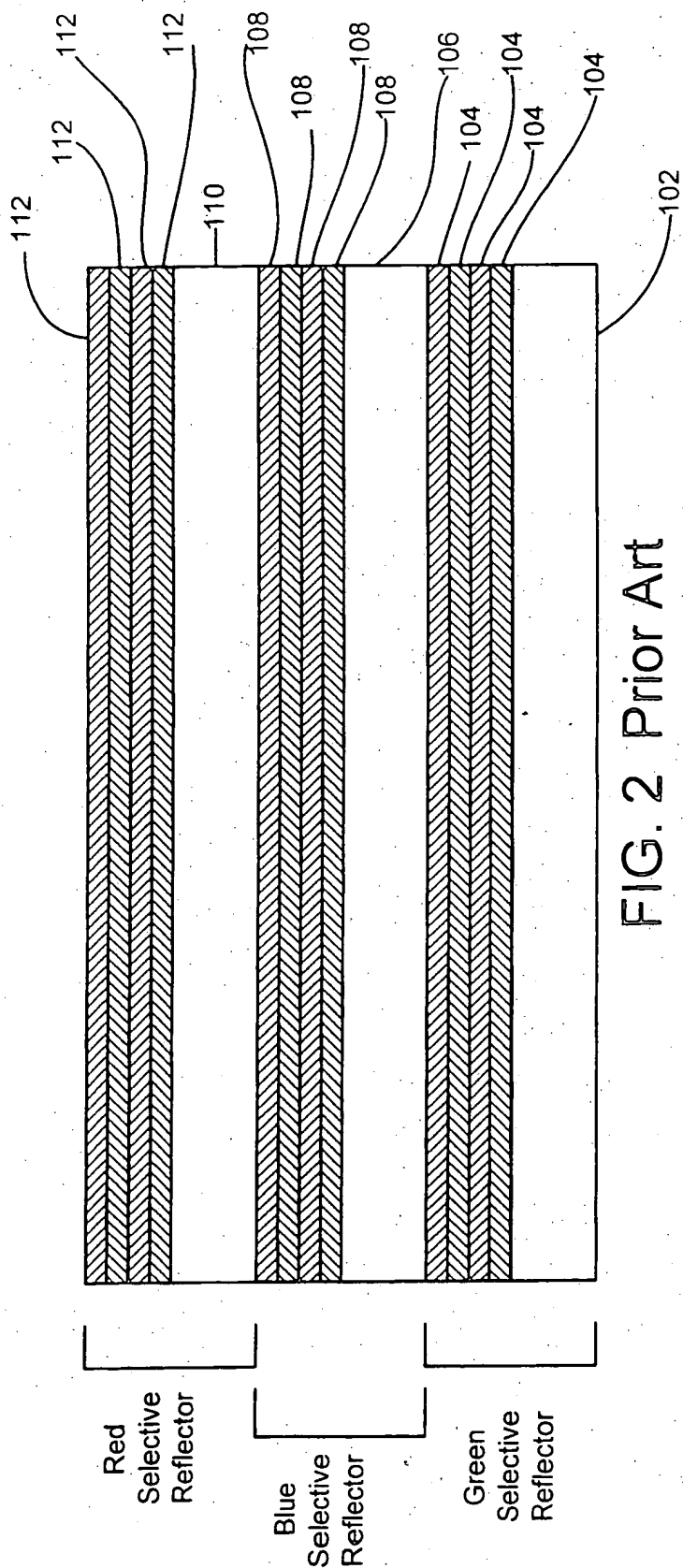


FIG. 1



## FIG. 4A

Material	Thickness(nm)	Material	Thickness(nm)
Si	600		
SiO <sub>2</sub>	3.30	SiO <sub>2</sub>	23.91
Nb <sub>2</sub> O <sub>5</sub>	3.30	Nb <sub>2</sub> O <sub>5</sub>	23.91
SiO <sub>2</sub>	50.34	SiO <sub>2</sub>	100.00
Nb <sub>2</sub> O <sub>5</sub>	50.34	Nb <sub>2</sub> O <sub>5</sub>	100.00
SiO <sub>2</sub>	100.00	SiO <sub>2</sub>	26.48
Nb <sub>2</sub> O <sub>5</sub>	100.00	Nb <sub>2</sub> O <sub>5</sub>	26.48
SiO <sub>2</sub>	59.38	Nb <sub>2</sub> O <sub>5</sub>	97.79
Nb <sub>2</sub> O <sub>5</sub>	59.38	SiO <sub>2</sub>	97.79
SiO <sub>2</sub>	100.00	SiO <sub>2</sub>	100.00
Nb <sub>2</sub> O <sub>5</sub>	100.00	Nb <sub>2</sub> O <sub>5</sub>	100.00
SiO <sub>2</sub>	15.15	Nb <sub>2</sub> O <sub>5</sub>	6.01
Nb <sub>2</sub> O <sub>5</sub>	15.15	SiO <sub>2</sub>	6.01
SiO <sub>2</sub>	99.45	SiO <sub>2</sub>	35.12
Nb <sub>2</sub> O <sub>5</sub>	99.45	Nb <sub>2</sub> O <sub>5</sub>	35.12
SiO <sub>2</sub>	43.95	Nb <sub>2</sub> O <sub>5</sub>	28.25
Nb <sub>2</sub> O <sub>5</sub>	43.95	SiO <sub>2</sub>	28.25
SiO <sub>2</sub>	48.60	SiO <sub>2</sub>	19.65
Nb <sub>2</sub> O <sub>5</sub>	48.60	Nb <sub>2</sub> O <sub>5</sub>	19.65
SiO <sub>2</sub>	55.28	Nb <sub>2</sub> O <sub>5</sub>	30.09
Nb <sub>2</sub> O <sub>5</sub>	55.28	SiO <sub>2</sub>	30.09
SiO <sub>2</sub>	70.29	SiO <sub>2</sub>	4.27
Nb <sub>2</sub> O <sub>5</sub>	70.29	Nb <sub>2</sub> O <sub>5</sub>	4.27
SiO <sub>2</sub>	78.38	Nb <sub>2</sub> O <sub>5</sub>	21.91
Nb <sub>2</sub> O <sub>5</sub>	78.38	SiO <sub>2</sub>	21.91

## FIG. 4B

Material	Thickness (nm)
SiO <sub>2</sub>	118.12
Nb <sub>2</sub> O <sub>5</sub>	97.99
SiO <sub>2</sub>	144.36
Nb <sub>2</sub> O <sub>5</sub>	63.14
SiO <sub>2</sub>	159.07
Nb <sub>2</sub> O <sub>5</sub>	92.24
SiO <sub>2</sub>	68.79
Nb <sub>2</sub> O <sub>5</sub>	47.51
SiO <sub>2</sub>	74.24
Nb <sub>2</sub> O <sub>5</sub>	62.77
SiO <sub>2</sub>	158.03
Nb <sub>2</sub> O <sub>5</sub>	97.99
SiO <sub>2</sub>	257.58
Nb <sub>2</sub> O <sub>5</sub>	131.25
SiO <sub>2</sub>	99.71
Nb <sub>2</sub> O <sub>5</sub>	65.78

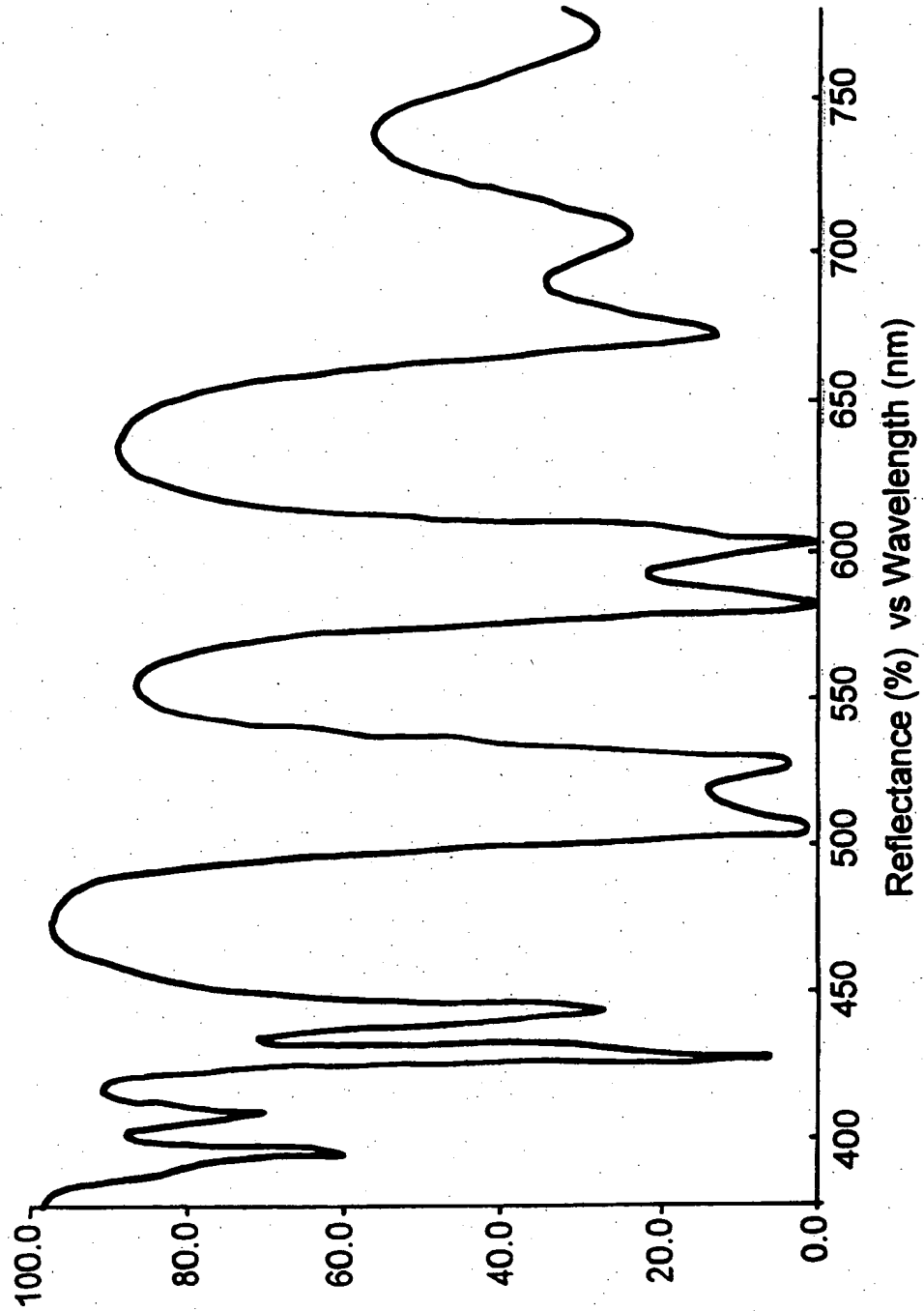


FIG. 5A

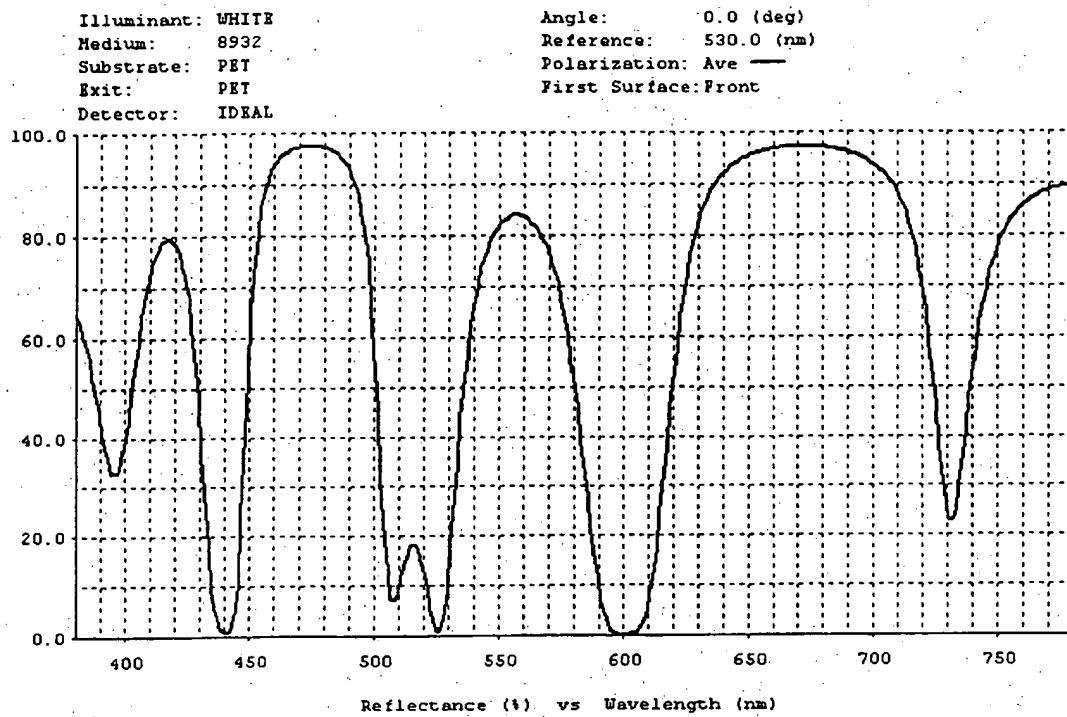


FIG. 5B

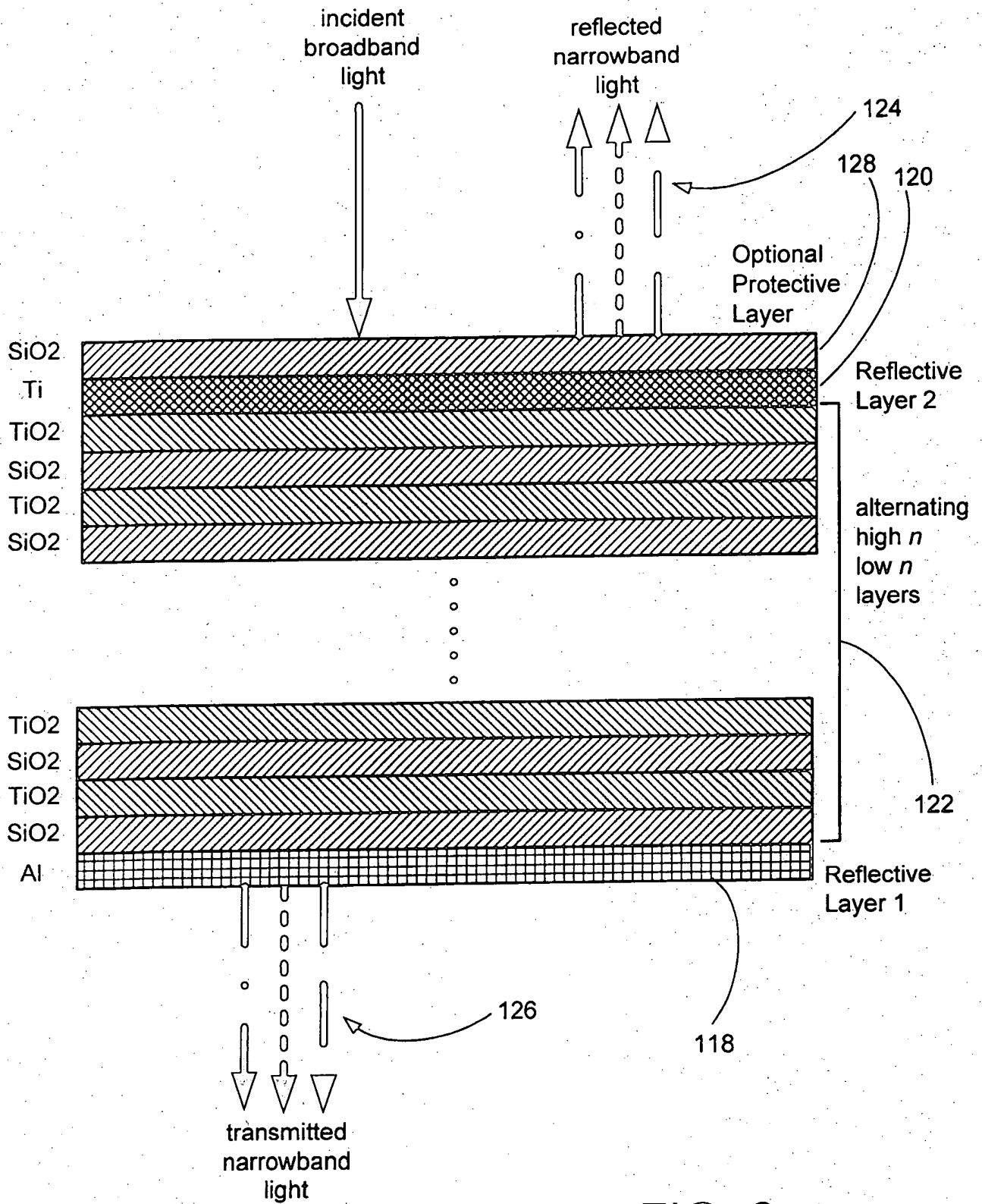


FIG. 6

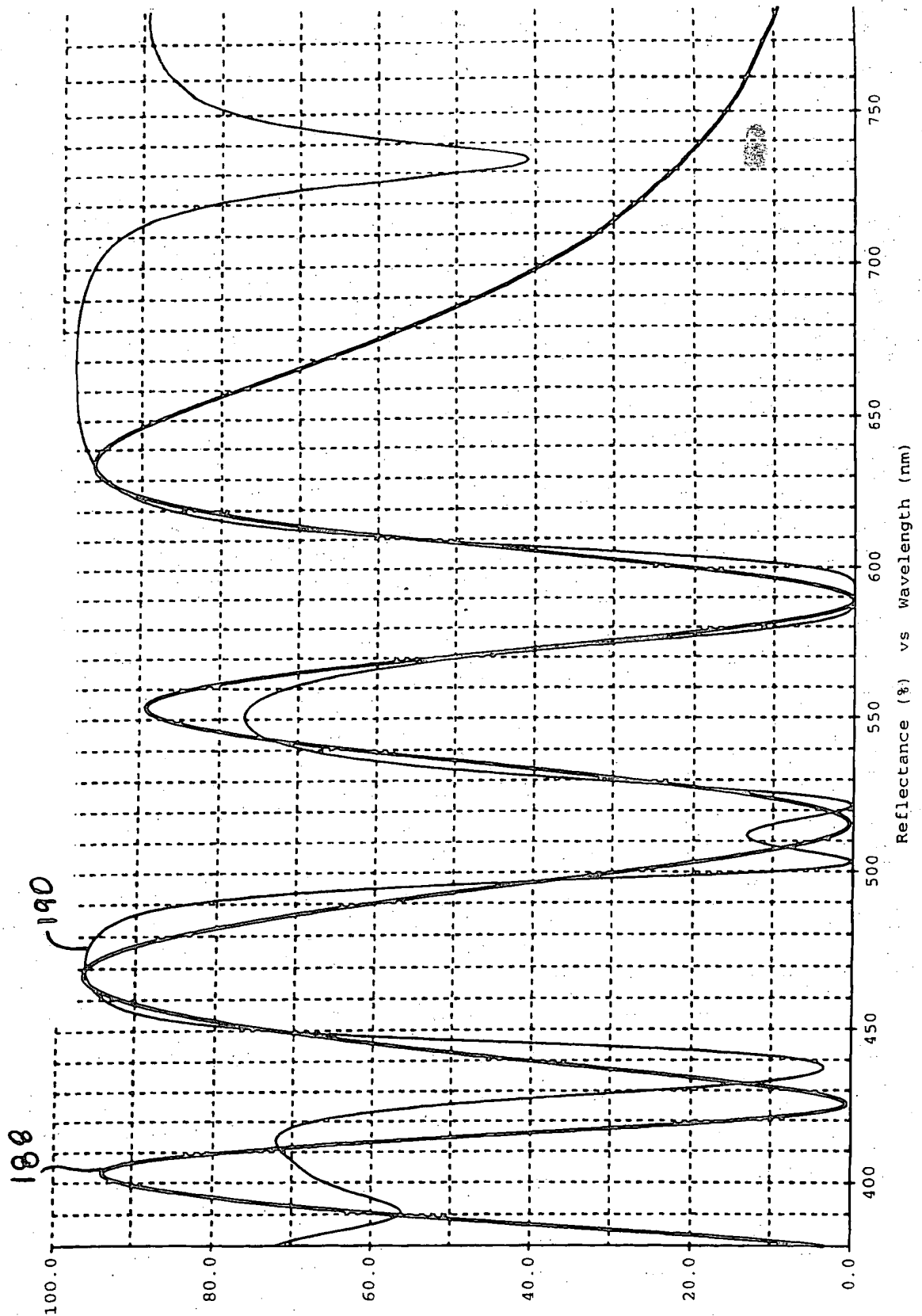
## FIG. 7

Material      Thickness (nm)

Al	50.0 nm	Reflective Layer 1
SiO <sub>2</sub>	86.7 nm	
TiO <sub>2</sub>	109.0 nm	
SiO <sub>2</sub>	122.8 nm	
TiO <sub>2</sub>	49.1 nm	
SiO <sub>2</sub>	145.5 nm	
TiO <sub>2</sub>	90.0 nm	
SiO <sub>2</sub>	131.5 nm	
TiO <sub>2</sub>	26.8 nm	
Ti	13.3 nm	Reflective Layer 2
SiO <sub>2</sub>	94.7 nm	Optional Protective Layer



Figure 8



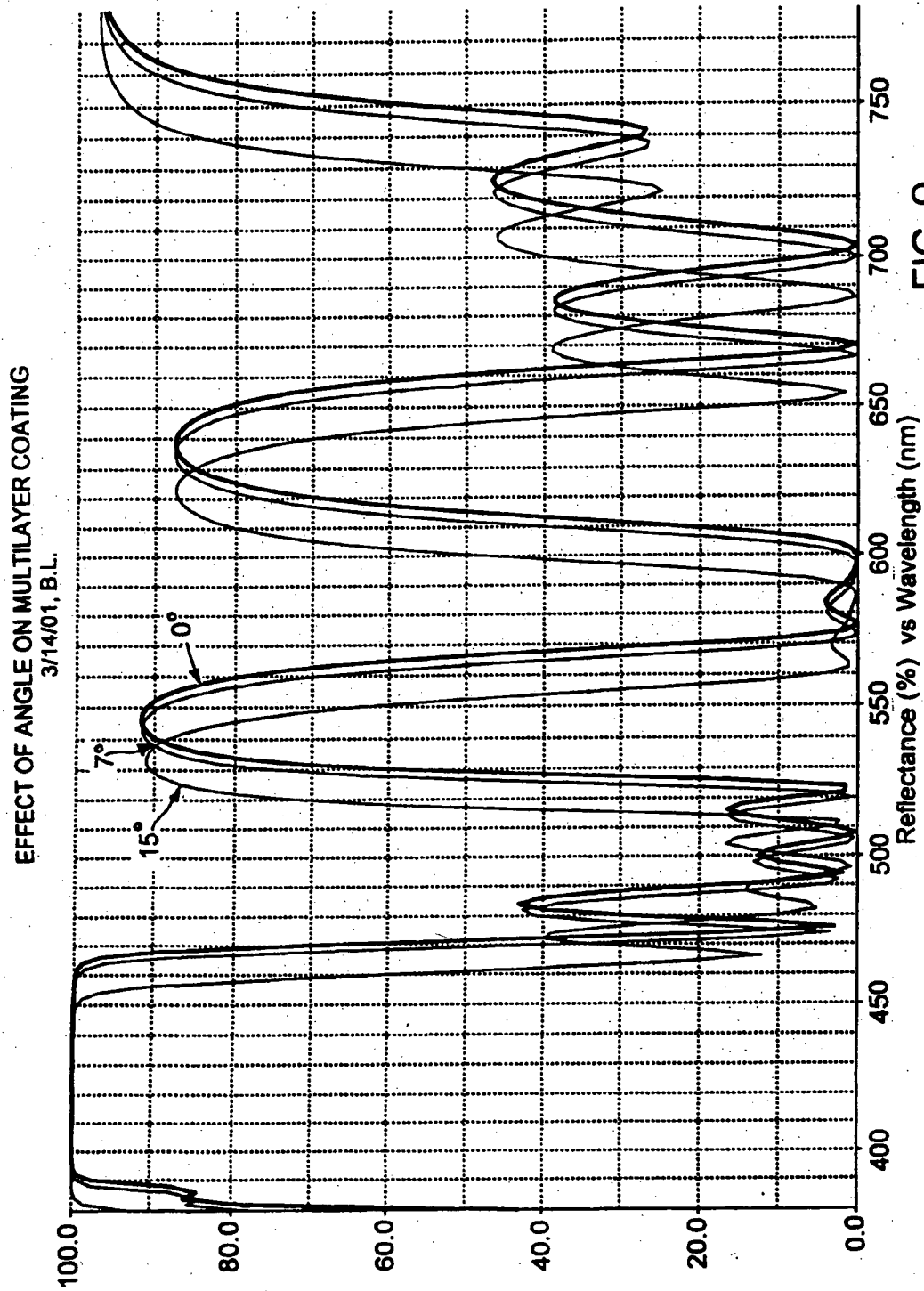
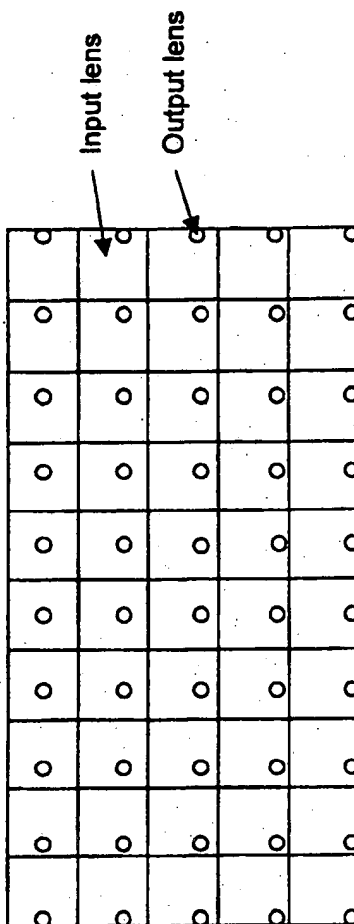


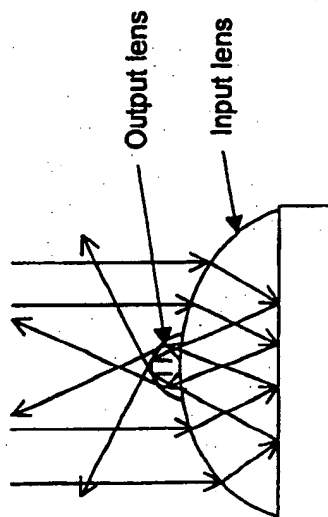
FIG. 9

LAYOUT OF ASYMMETRIC MICROLENSES  
9/21/00, B.L.



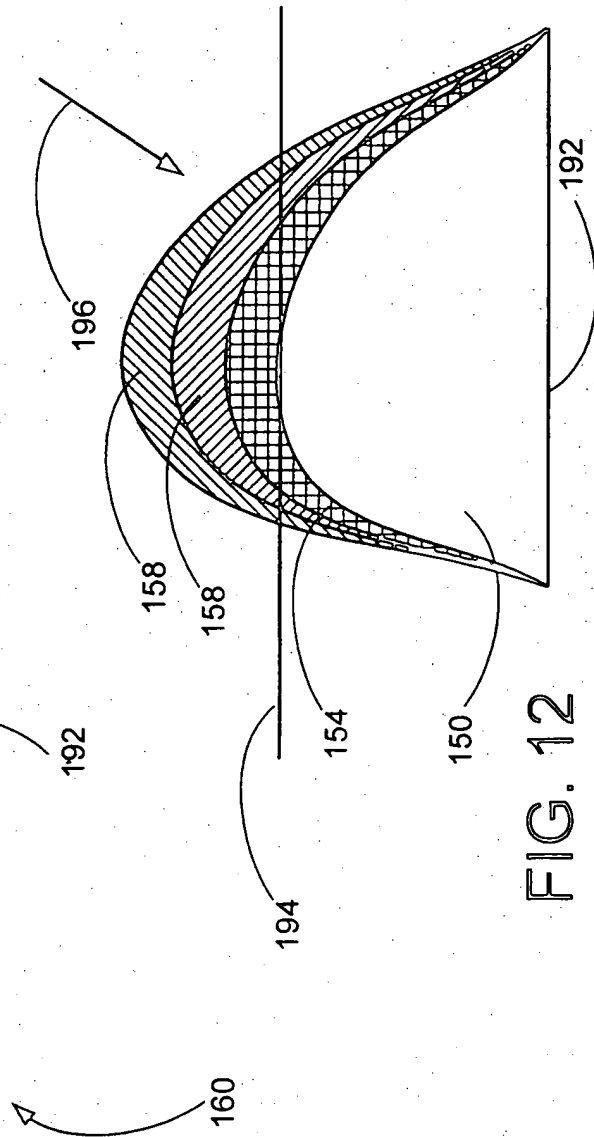
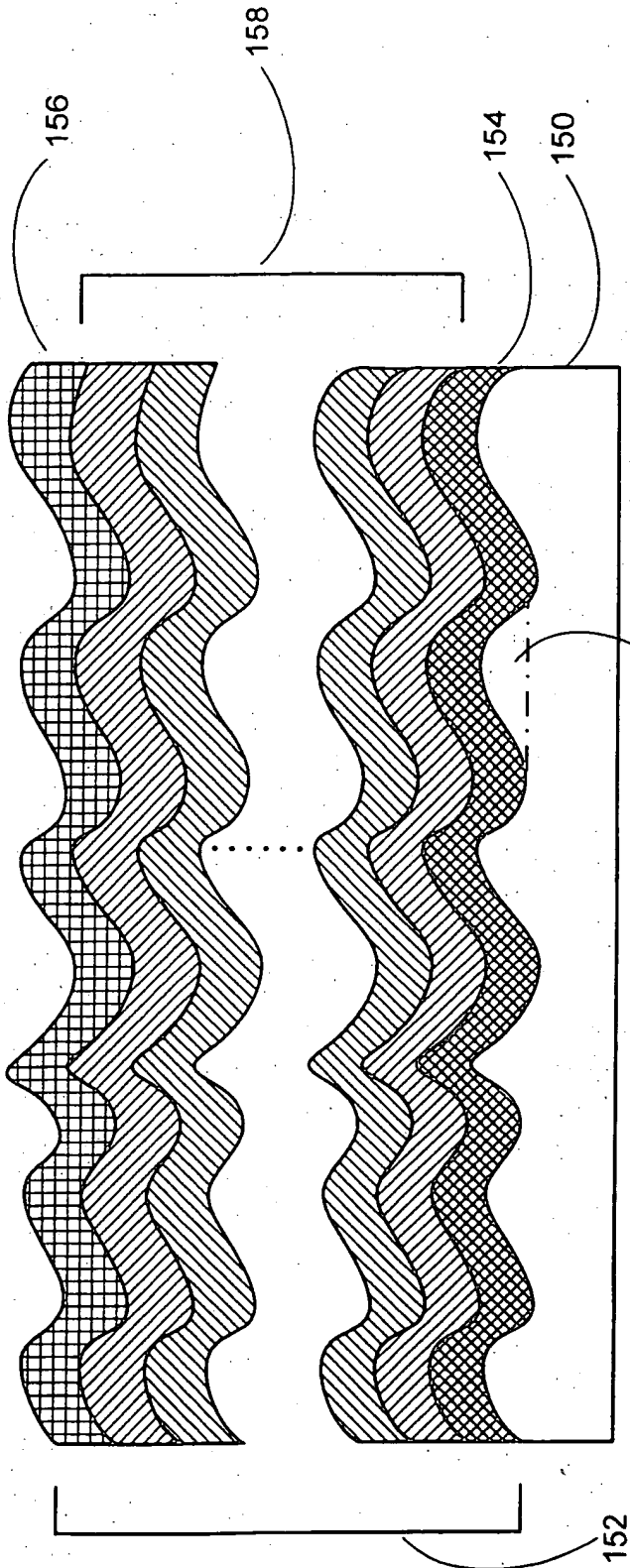
Front View of Entire Screen

FIG. 10B



Side View of One Lens Set

FIG. 10A



MINIMAL RISK CONSTRUCTION  
3/15/01, B.L.

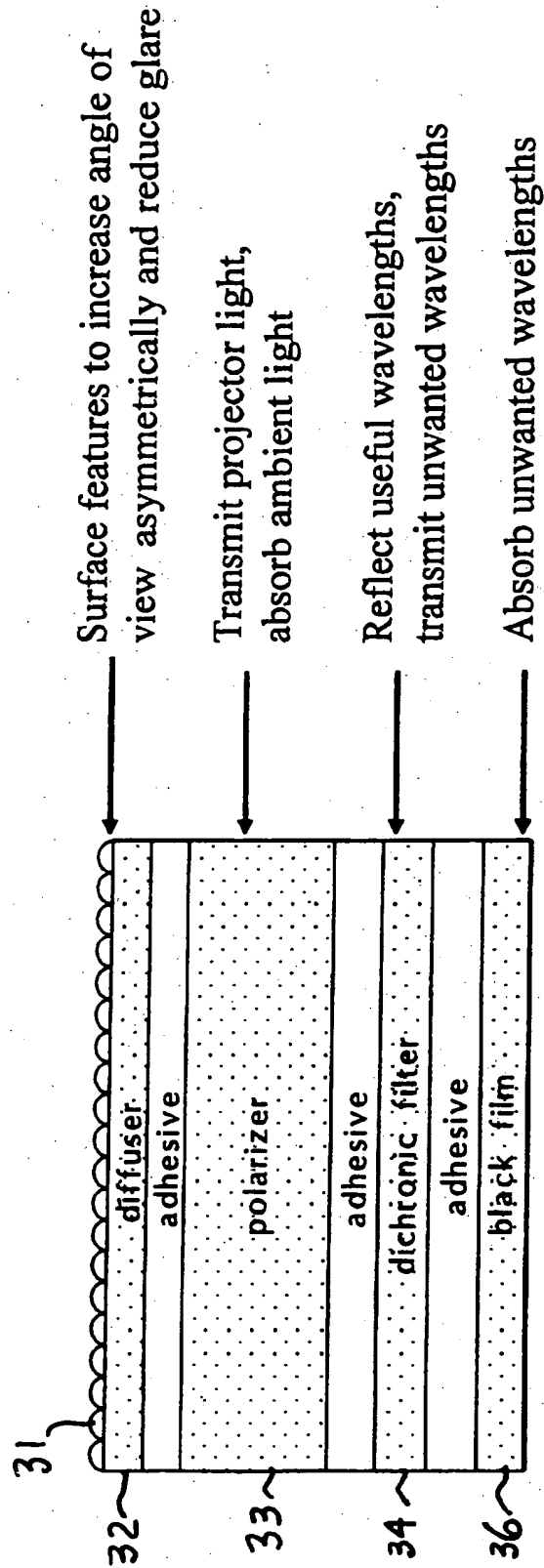


FIG.13

ADVANCED CONSTRUCTIONS  
5/31/01, B.L.

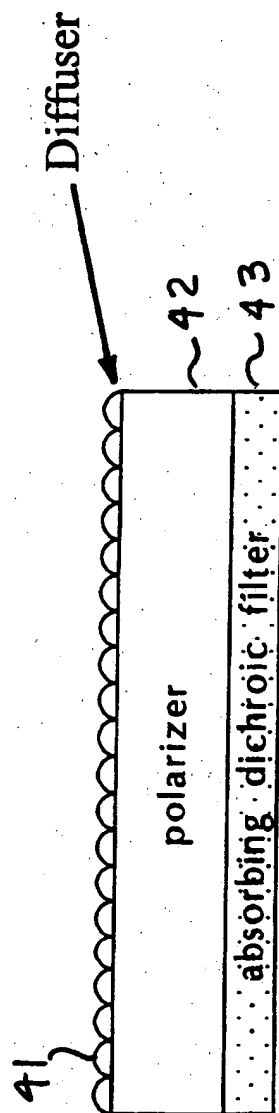


FIG. 14A

a. Front surface diffuser only

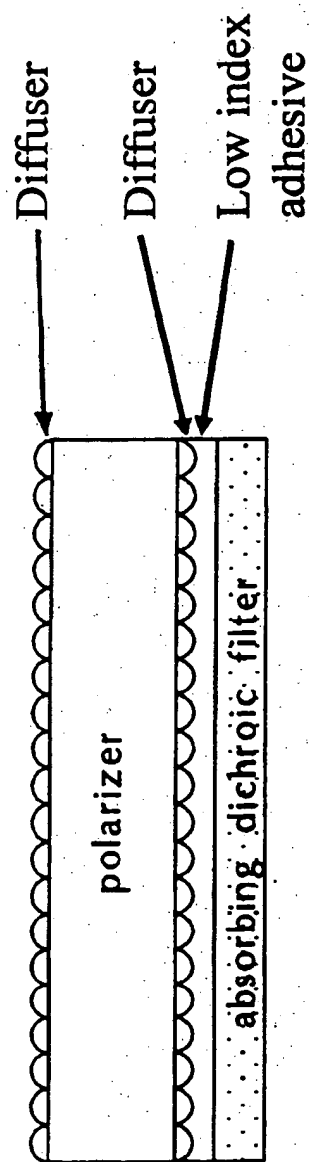


FIG. 14B

b. Front surface diffuser and immersed diffuser

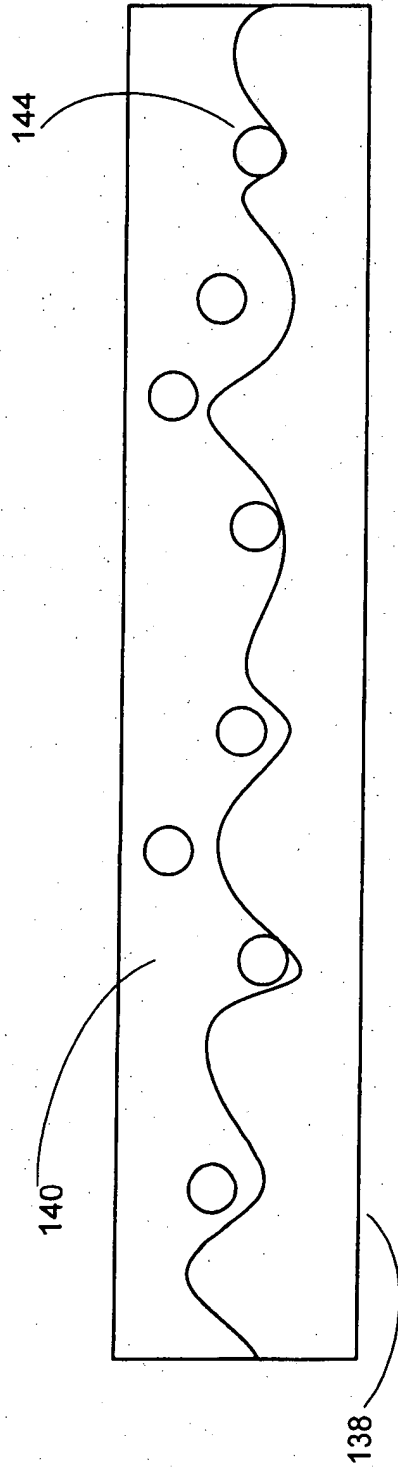


FIG. 15A

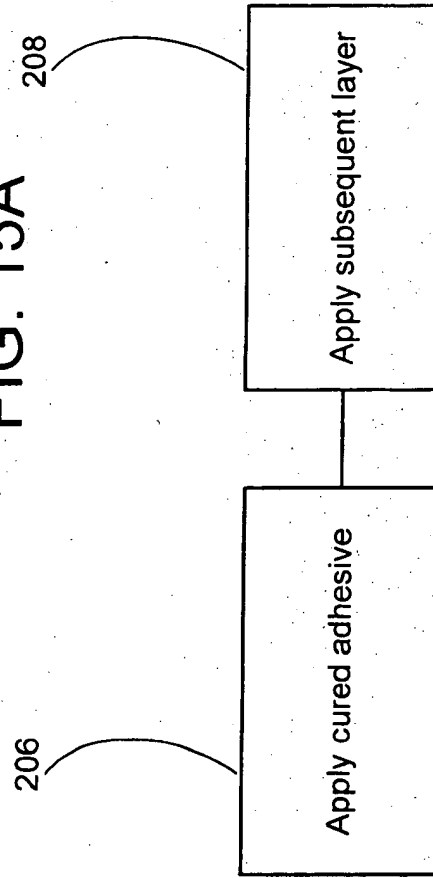


FIG. 15B

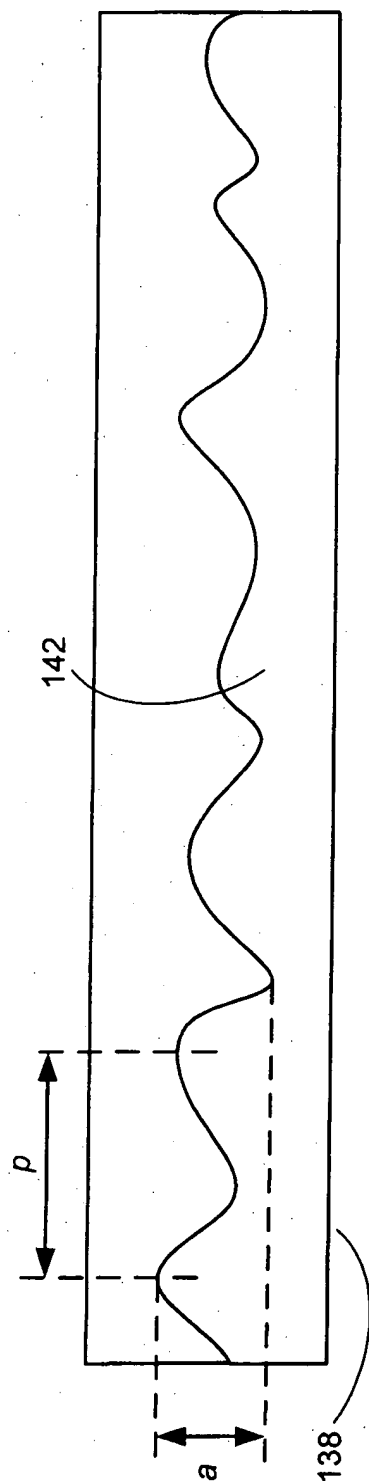


FIG. 16A

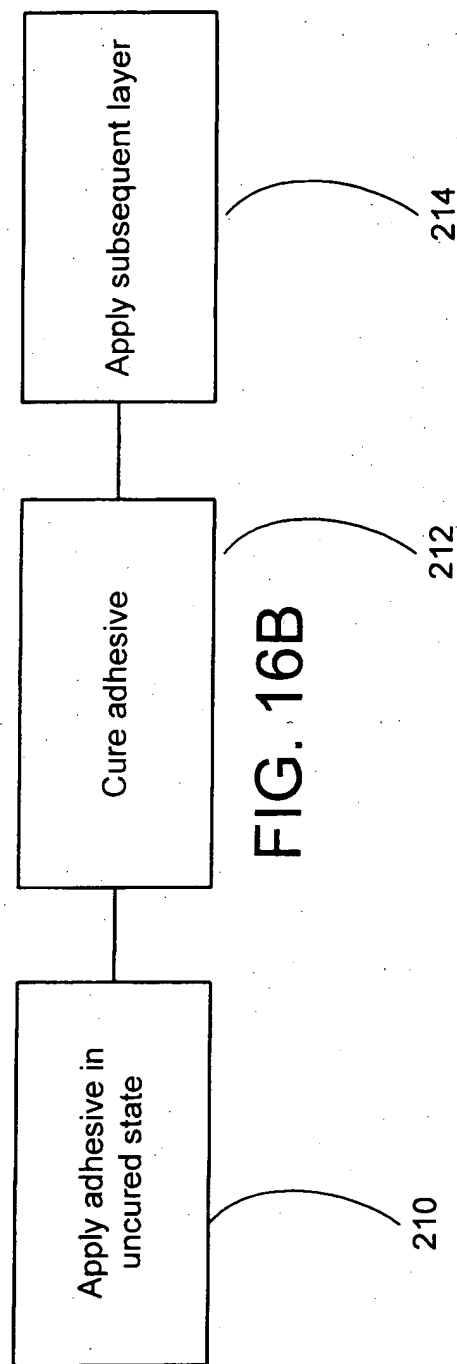


FIG. 16B



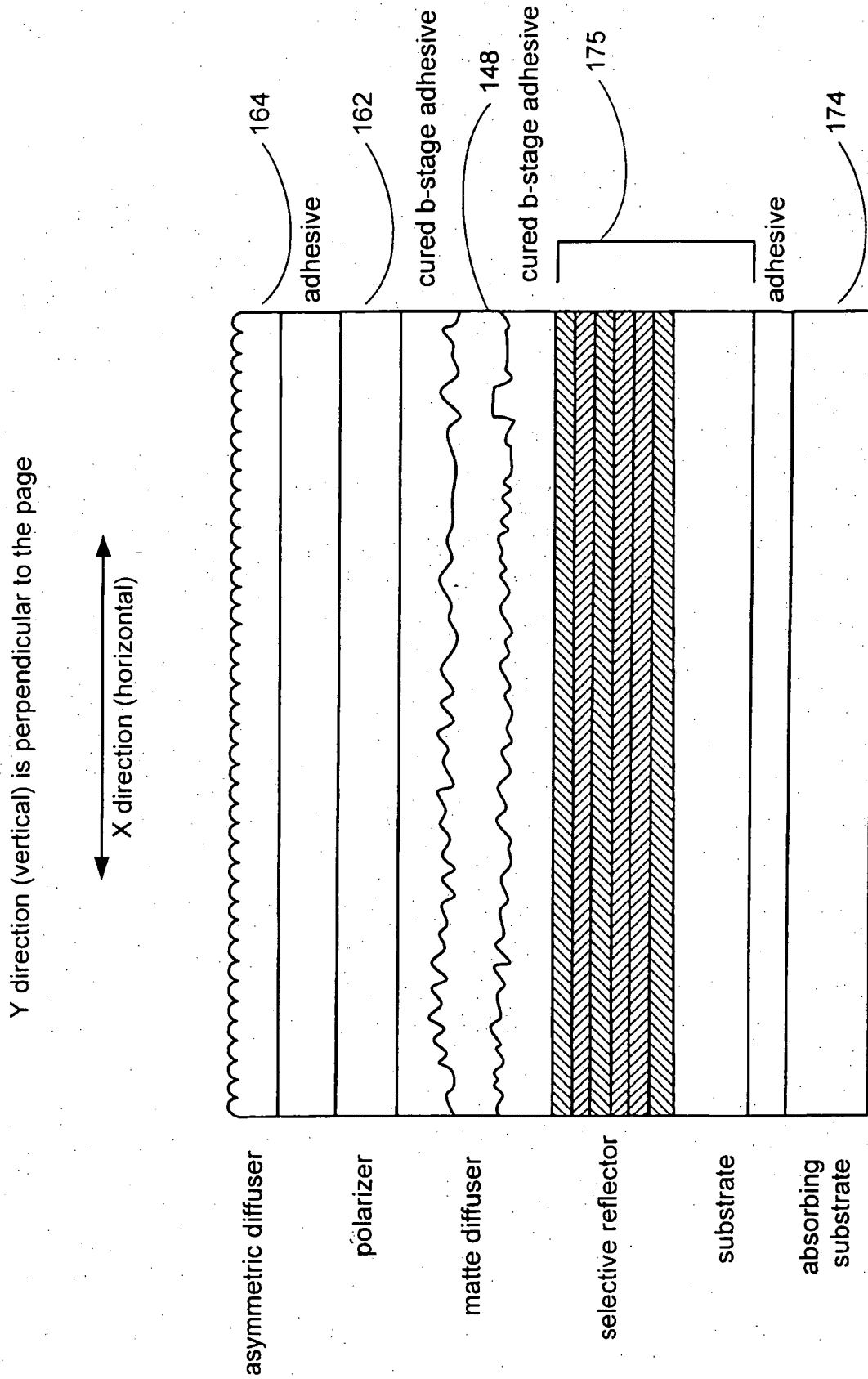


FIG. 17A

Y direction (vertical) is perpendicular to the page  
 X direction (horizontal)

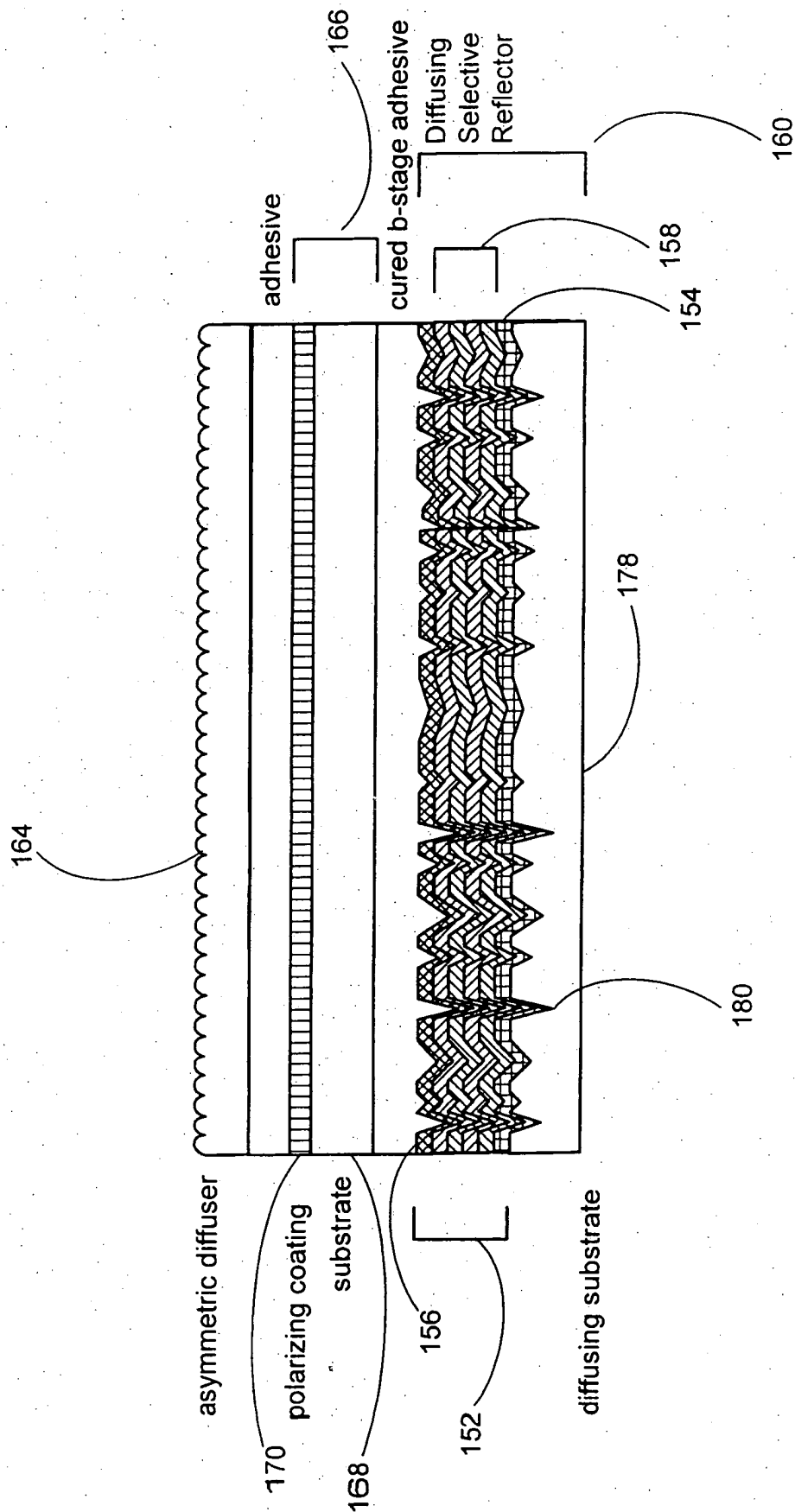
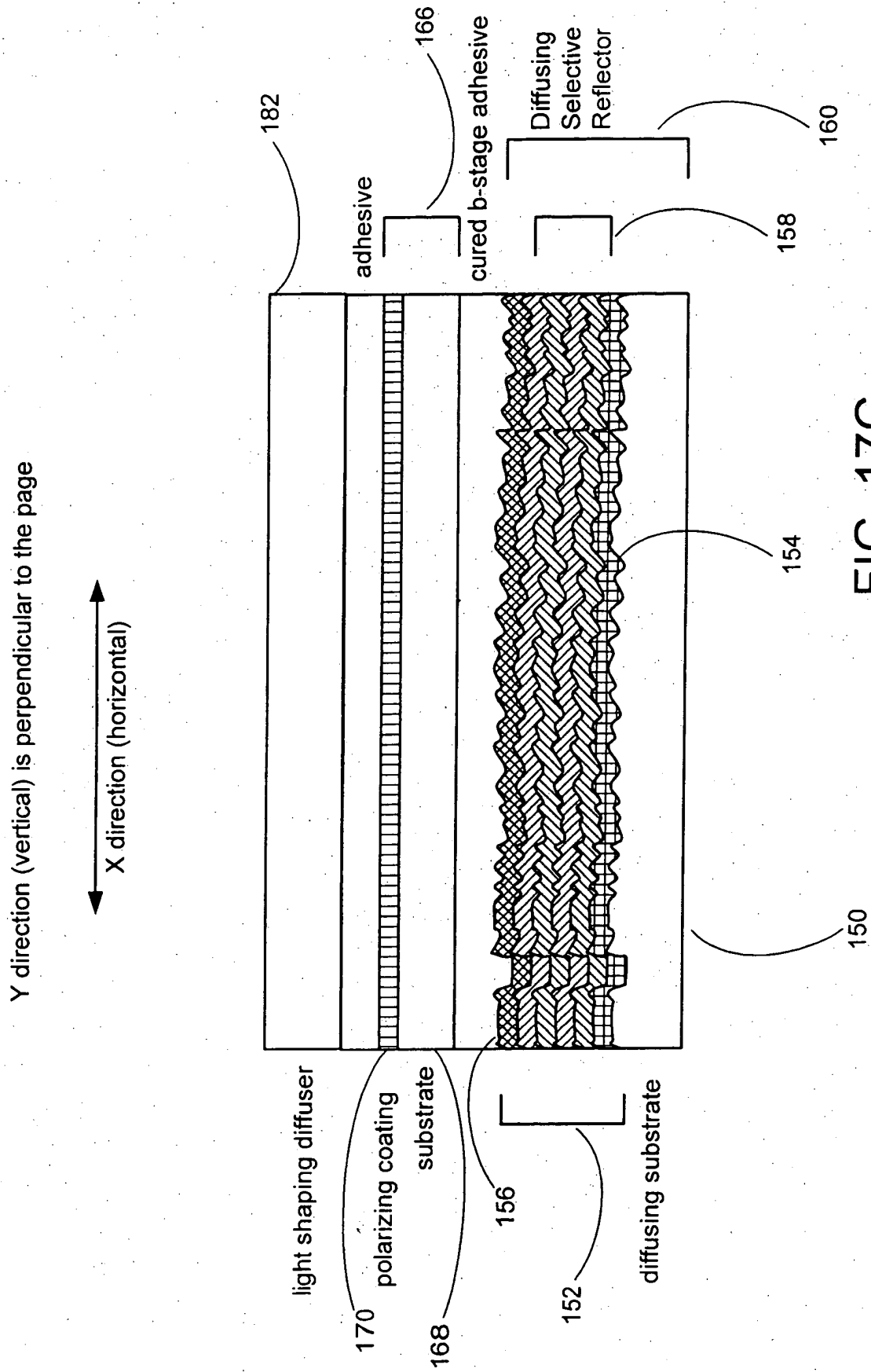


FIG. 17B



Y direction (vertical) is perpendicular to the page

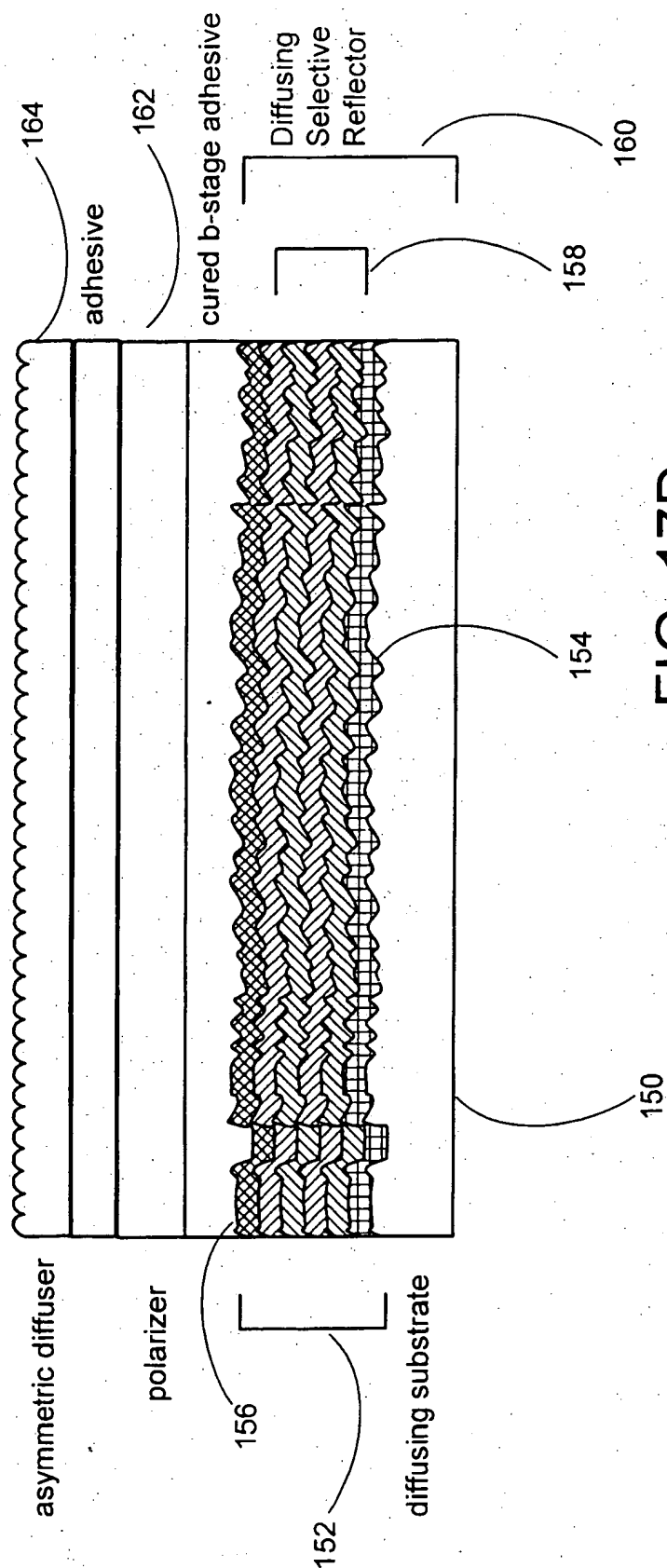
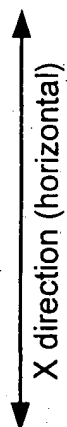
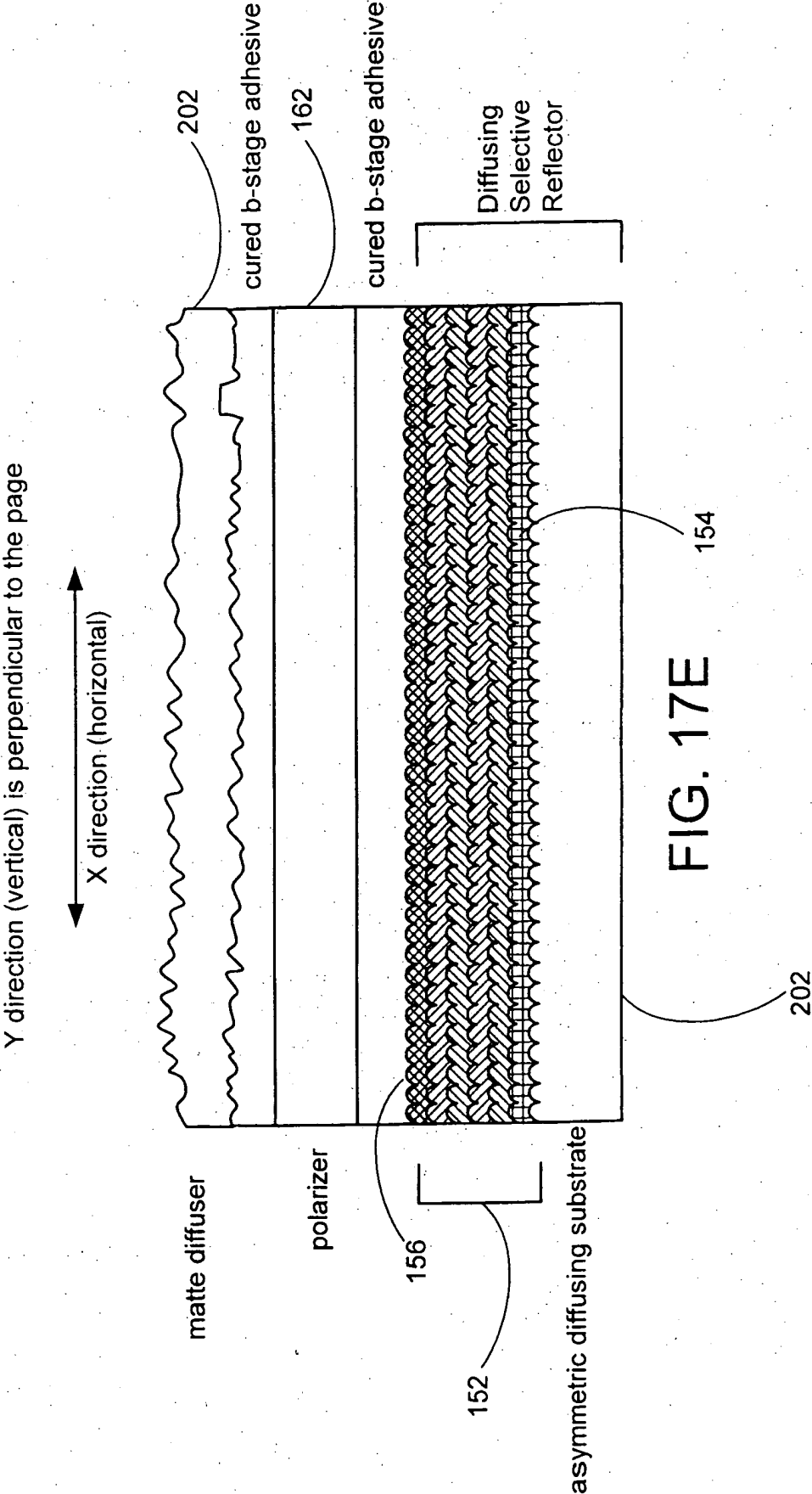


FIG. 17D



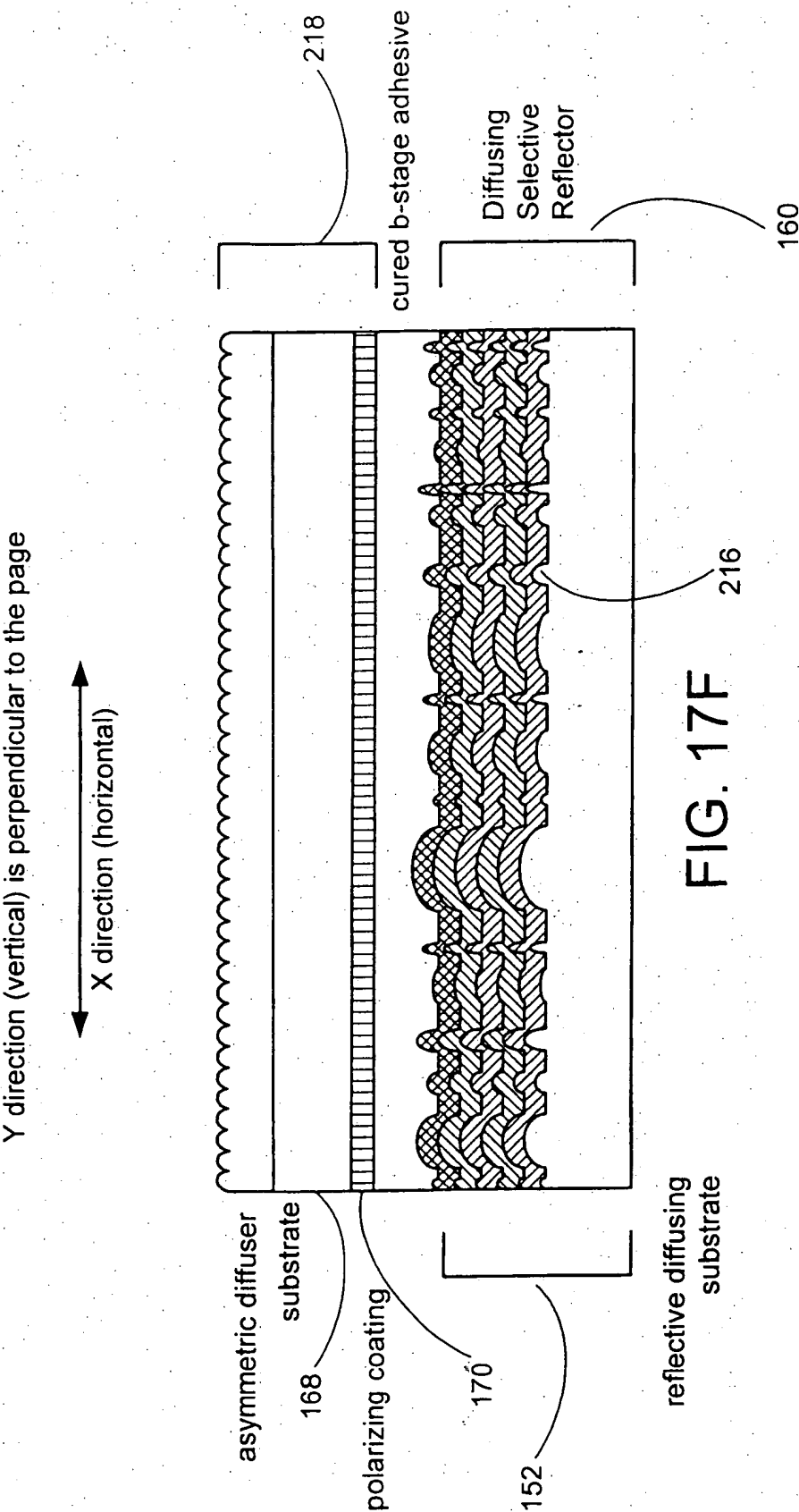


FIG. 17F

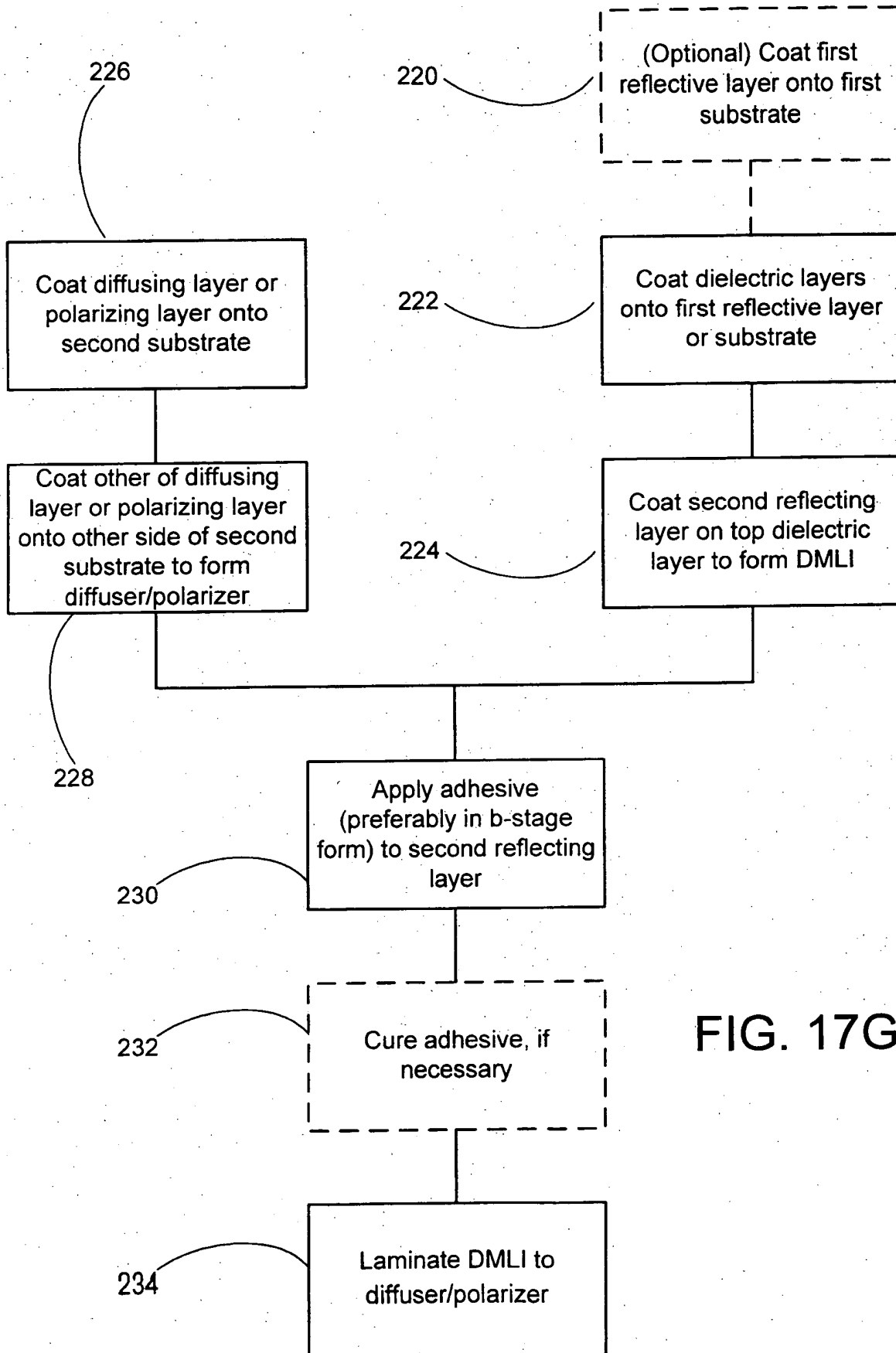


FIG. 17G

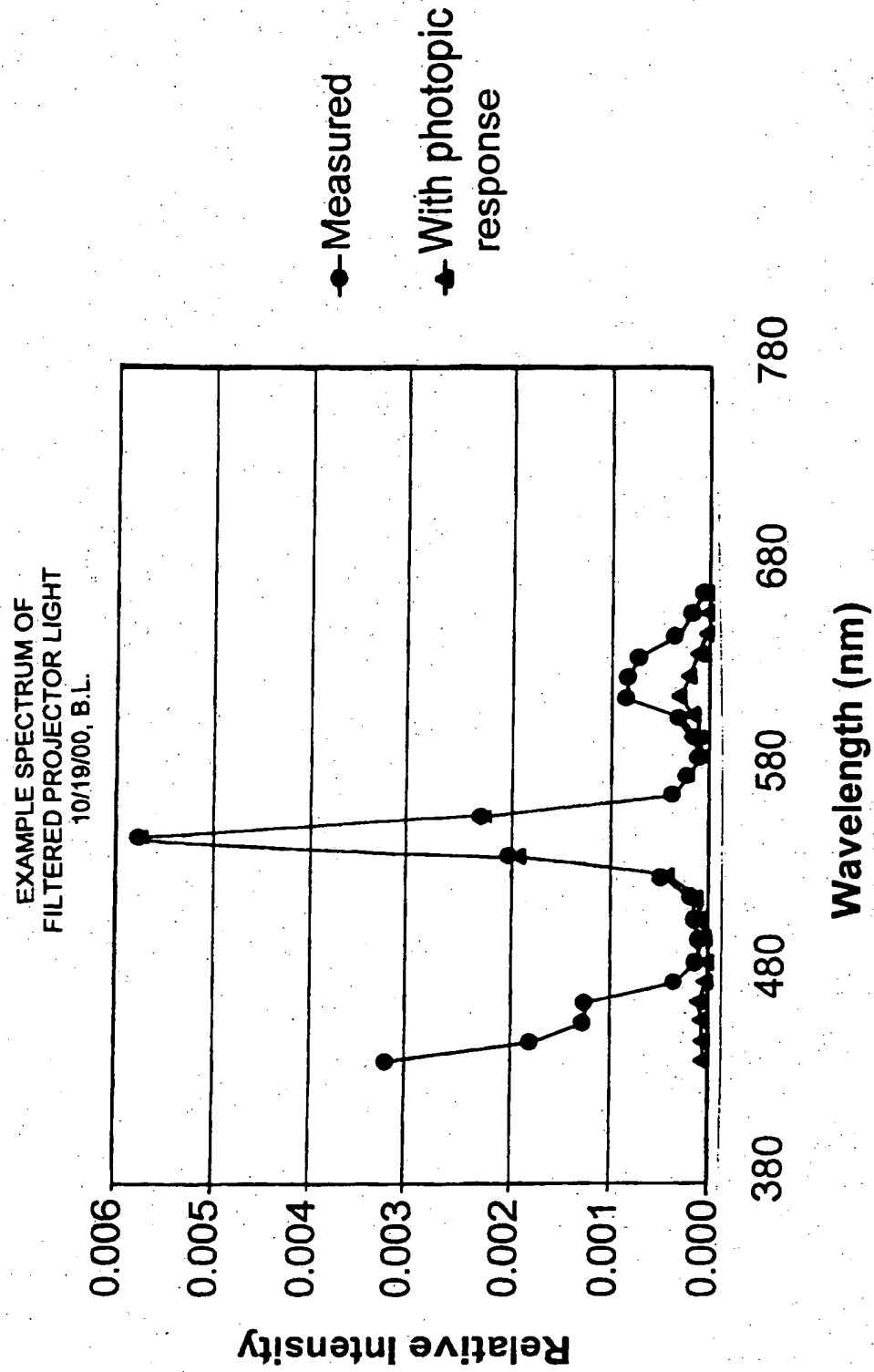
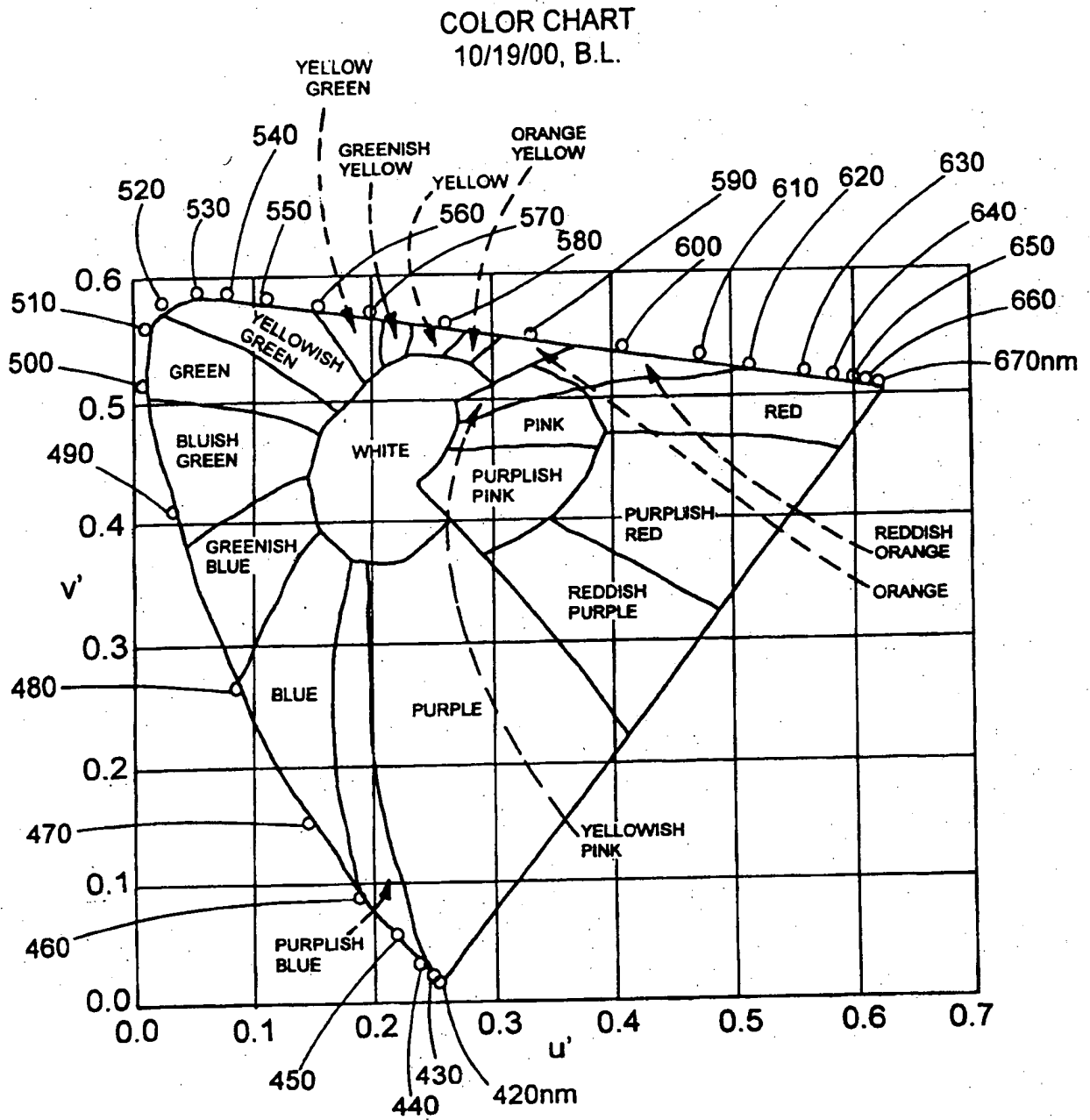


FIG.18





**FIG. 19**

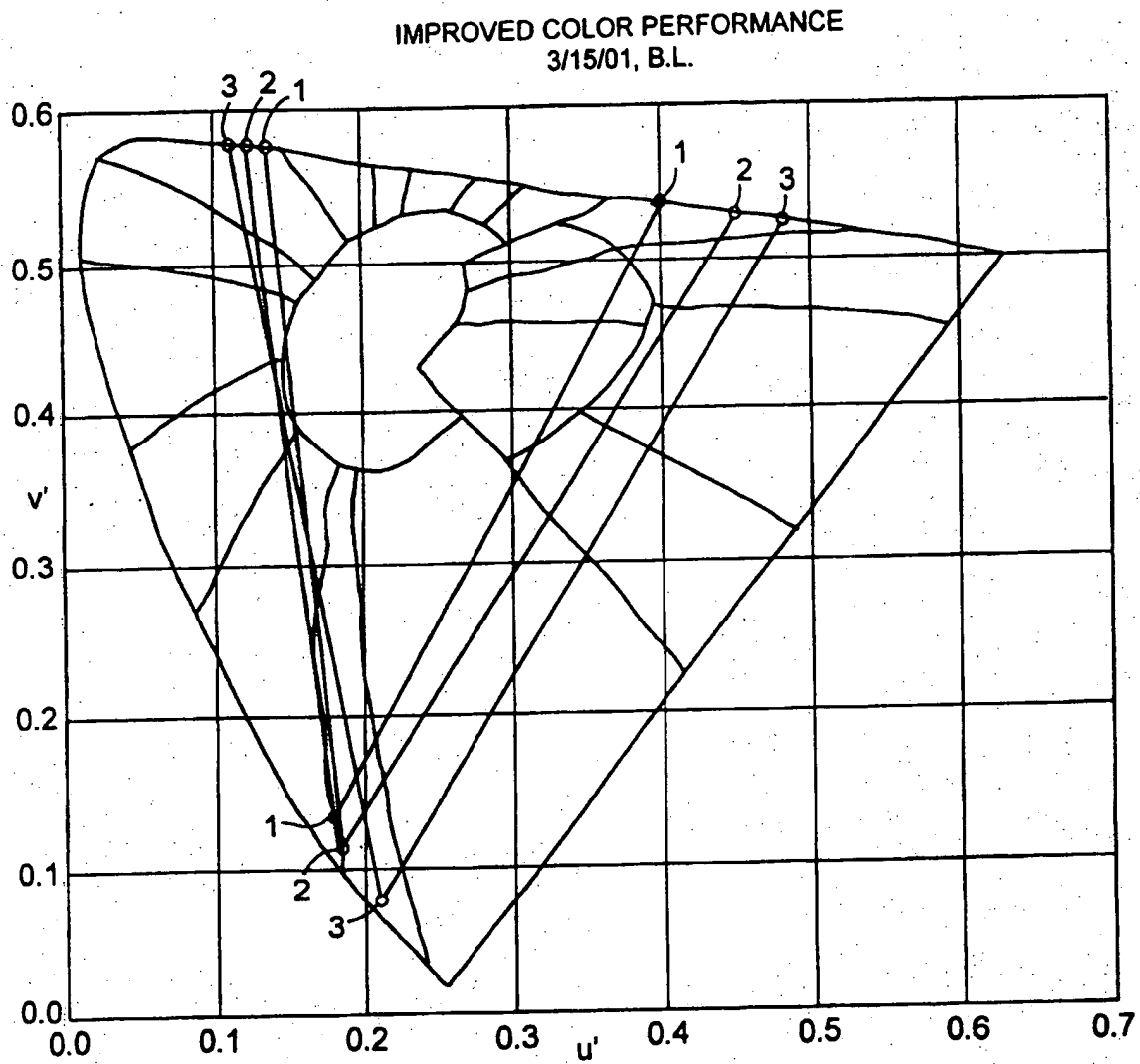
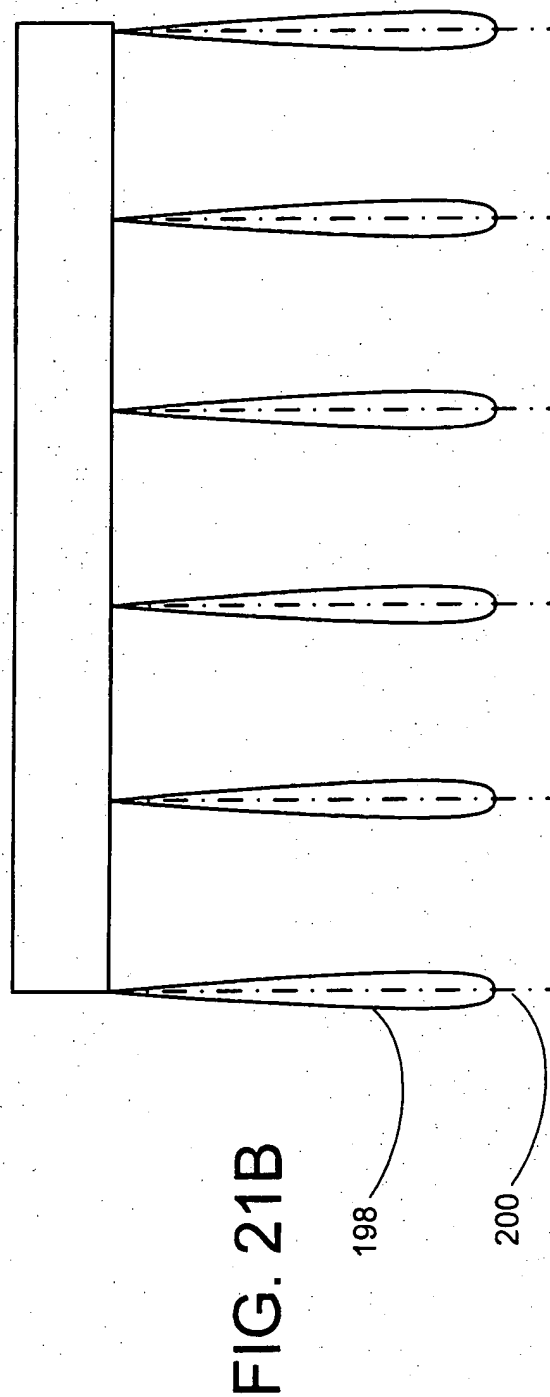
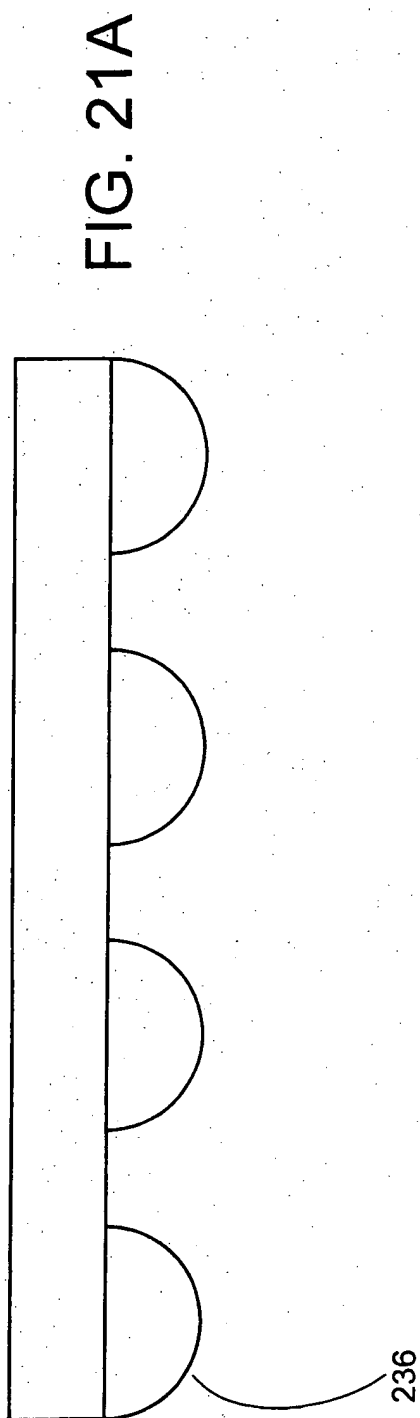


FIG. 20

1= projector on white screen  
2= filtered projector on white screen  
3= filtered projector on new screen



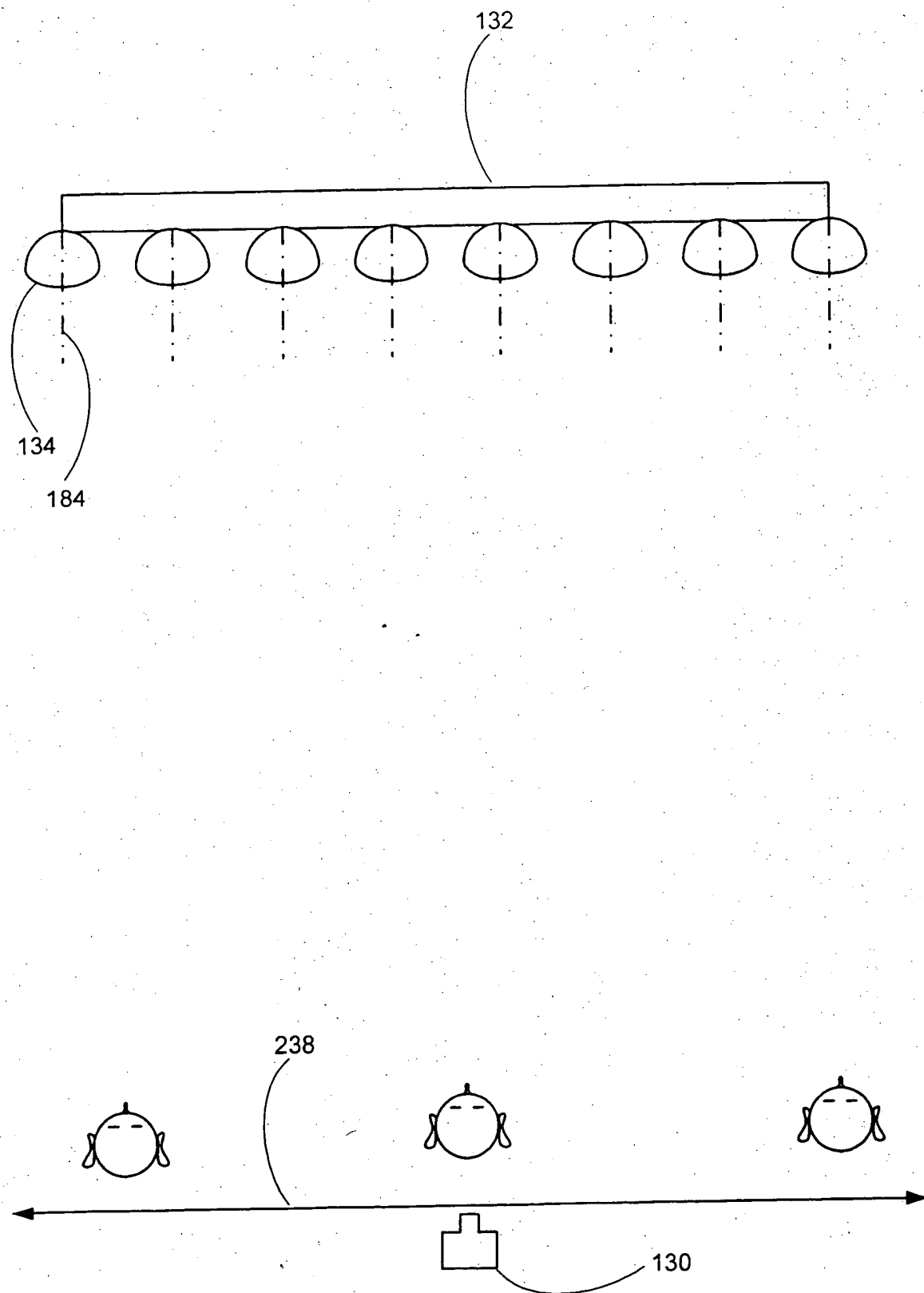


FIG. 22

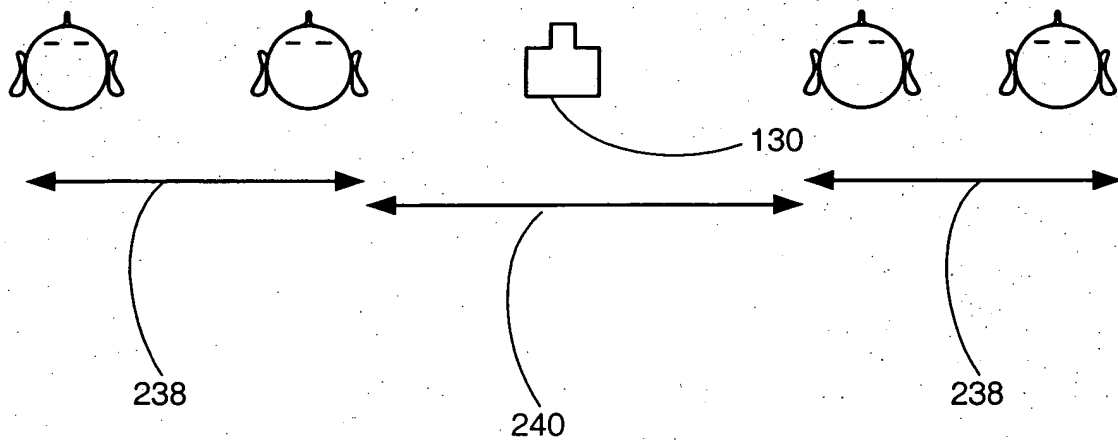
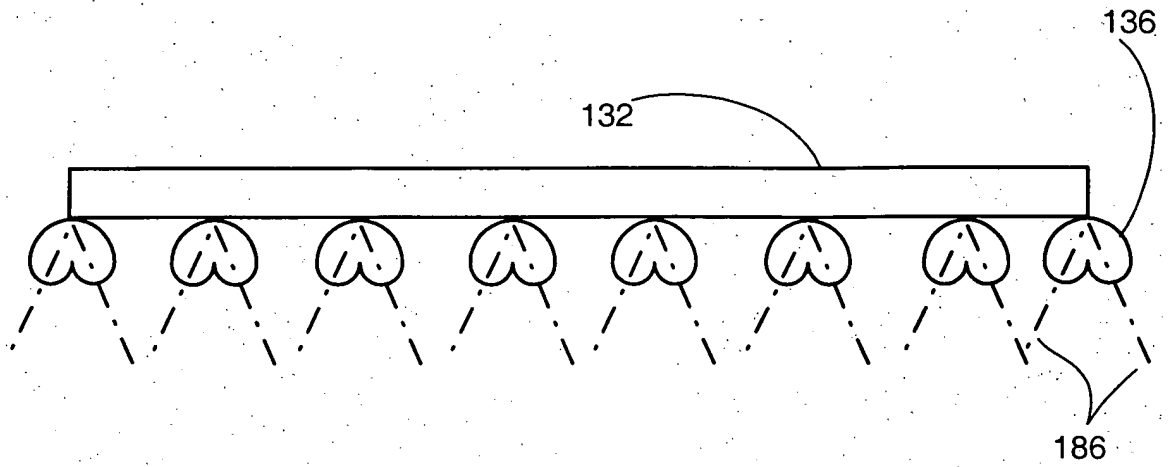


FIG. 23A

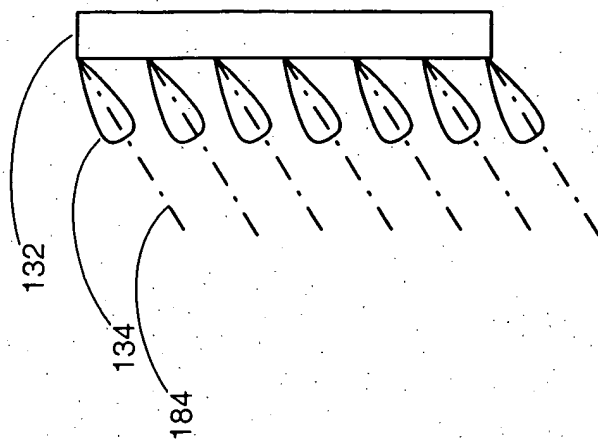
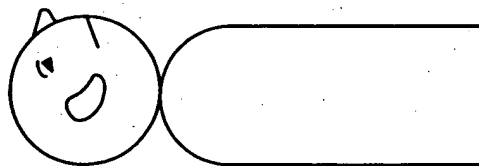


FIG. 23B



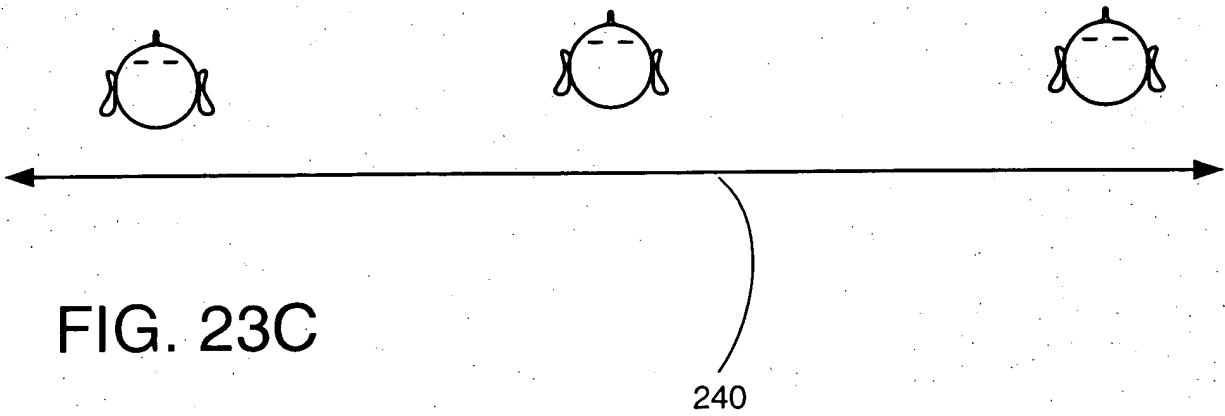
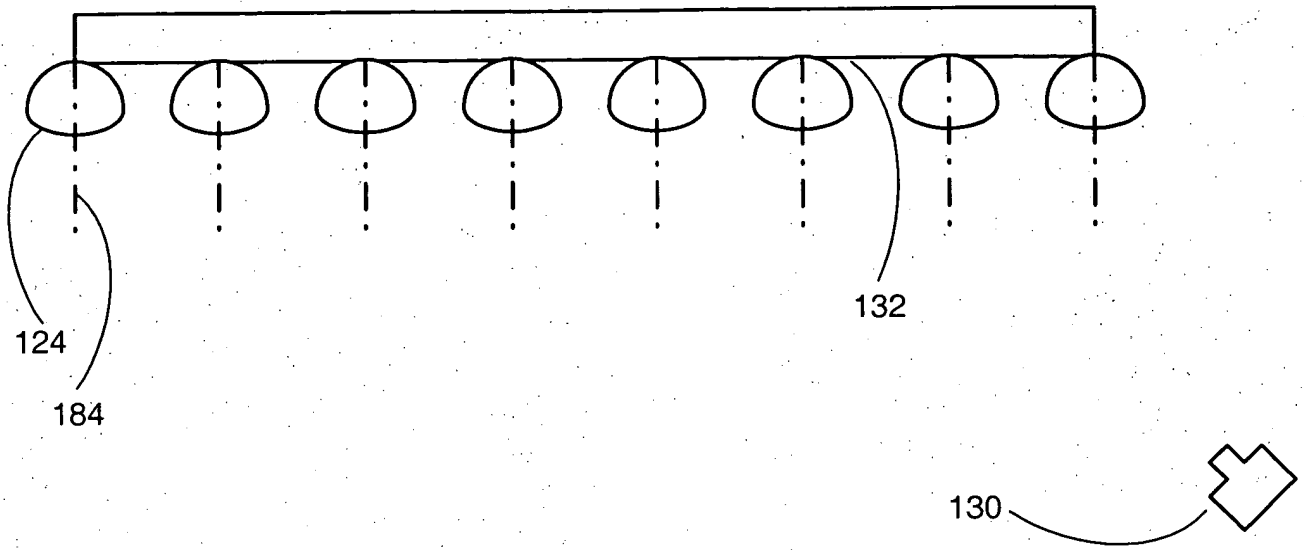


FIG. 23C